

Appl. No. 09/997,513

Amendment dated October 20, 2004

Reply to Office Action of August 17, 2004

### **AMENDMENTS TO THE CLAIMS**

The following listing of the claims will replace all prior versions and listings of the claims in the application.

### **LISTING OF CLAIMS**

1. (Currently amended) A distributed home location register (HLR) comprising:  
a personal home location register (HLR) located in a processor of a user, but not  
located with a telecommunication services provider;  
an interface to the personal home location register for a user to select services;  
and  
a link to an operations support system of the telecommunication services  
provider for obtaining services.
2. (Original) The distributed HLR as claimed in claim 1, wherein there is further  
included:  
a network home location register (HLR) coupled to the operations support  
system of the telecommunications service provider.
3. (Original) The distributed HLR as claimed in claim 2, wherein there is further  
included a plurality of users, each user of the plurality of users having an individual HLR within  
the network HLR indicating said services which are available to each user.
4. (Original) The distributed HLR as claimed in claim 3, wherein the individual  
HLR for a particular user includes a pointer to the personal HLR.
5. (Currently amended) The distributed HLR as claimed in claim 1, wherein there  
is further included a database for storing roaming information, said ~~first~~ database coupled to  
said operations support system.

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6. (Original) The distributed HLR as claimed in claim 1, wherein there is included a database for subscription information, said database coupled to said operations support system.

7. (Original) The distributed HLR as claimed in claim 1, wherein there is further included other networks coupled to said operations support system, said other networks supplying service level agreement information.

8. (Original) The distributed HLR as claimed in claim 1, wherein said personal home location register includes a computing device.

9. (Original) The distributed HLR as claimed in claim 1, wherein said link includes an internet connection of said personal home location register to said operations support system.

10. (Original) The distributed HLR as claimed in claim 1, wherein said link includes a wireless connection between said personal home location register and said operations support system.

11. (Original) The distributed HLR as claimed in claim 1, wherein said link includes a wire line connection between said personal home location register and said operations support system.

12. (Original) The distributed HLR as claimed in claim 1, wherein said interface includes a graphical user interface (GUI).

13. (Currently amended) An arrangement for distributing a home location register (HLR) from a telecommunications service provider, said arrangement comprising:

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processor means including the home location register, said processor means operating independent of the telecommunication service provider and located with a particular subscriber, and said processor means coupled to said telecommunications service provider for communication; and

database means for storing subscriber information for a plurality of subscribers, said database means coupled to said telecommunication service provider, said telecommunication service provider operating in response to a request from said processor means to obtain said subscriber information for [[a]]said particular subscriber.

14. (Original) The arrangement as claimed in claim 13, wherein there is further included link means for coupling said processor means to said telecommunications service provider.

15. (Original) The arrangement as claimed in claim 14 wherein said link means includes an internet connection.

16. (Original) The arrangement as claimed in claim 14 wherein said link means includes a wireless connection.

17. (Original) The arrangement as claimed in claim 14 wherein said link means includes a wire line connection.

18. (Original) The arrangement as claimed in claim 13, wherein:  
said database means includes a database for storing telephone subscription information; and  
said particular subscriber inputs a change to the HLR to modify the telephone subscription information of the first database.

19. (Original) The arrangement as claimed in claim 13 wherein:

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said database means includes a database for storing roaming information; and  
said particular subscriber inputs change to the HLR to modify the roaming  
information within the distributed HLR.

20. (Original) The arrangement as claimed in claim 13 wherein the  
telecommunications service provide includes a network HLR for pointing to the HLR of the  
processor means.

21. (Original) An arrangement for a distributed home location register (HLR)  
comprising:  
a personal home location register (HLR) located within a processor means of a  
particular user; and  
a telecommunications service provider including a network home location  
register (HLR), said telecommunications service provider coupled to said processor  
means, said network HLR pointing to said personal HLR.

22. (Original) The arrangement as claimed in claim 21, wherein the user affects  
changes to the personal HLR via communication between the processor means and the  
telecommunications service provider.

23. (Original) The arrangement as claimed in claim 21, wherein the  
telecommunications service provider includes a traditional network HLR for other users.

24. (Original) The arrangement as claimed in claim 23, wherein:  
the particular user is charged a first rate for the personal HLR; and  
the other users are charged a second rate for the traditional network HLR.